

B300 GROEN

Customer: PTRHTF10078

WEST FORK CREATIONS 15 PEPSI DRIVE RED LODGE, MT 59068 USA

Attn: Sean Keeney Tel: (406)426-3060

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System Information

System Volume: 70 gal

Bulk Operating Temp: 475F / 246C

Heating Source:

Blanket:

Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID

Make: STERLCO

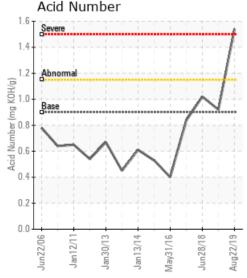
Sample Information

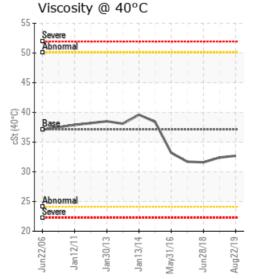
Lab No: 02306726 Analyst: Ron LeBlanc Sample Date: 08/22/19 Received Date: 09/06/19 Completed: 09/09/19

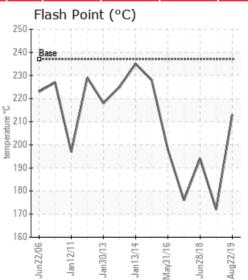
Recommendation: Acid number is elevated. COC Flash Point is rising back to normal. Pentane insoluble stayed about the same as previous sample. Take another sample in 3 months.

Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is abnormally high.

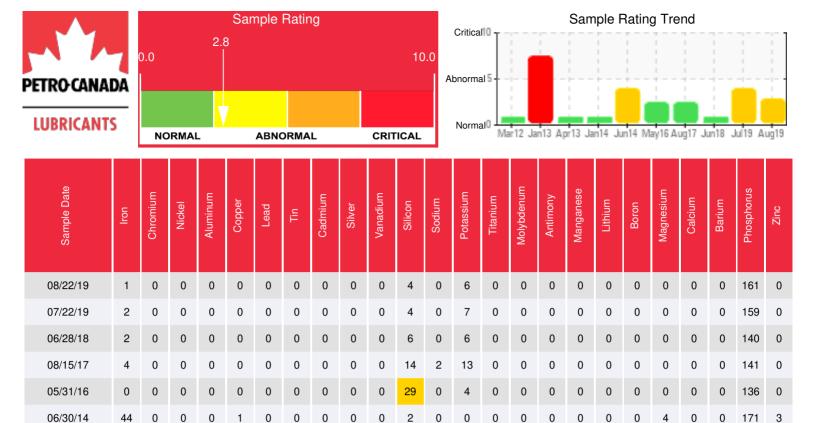








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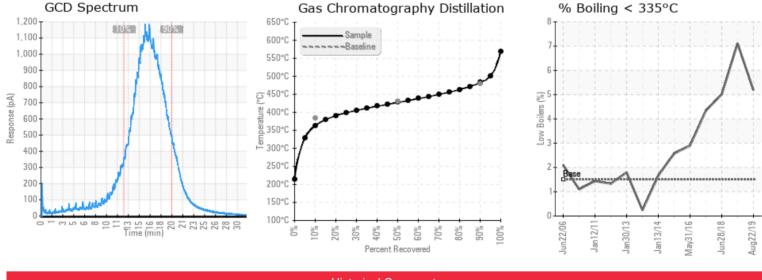


Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

0

0

Baseline Data



0

230

0

Historical Comments	
07/22/19	COC Flash Point is severely low. Pentane insoluble has risen in last 3 samples. Possible process leak? Be sure to purge the system before taking sample. Re sample and check results. Oil could have been heated too high or too quickly if shut down and started back up. Add new oil to bring COC Flash Point back up. Pentane Insolubles levels are severely high. COC Flash Point is severely low. (GCD) 10% Distillation Point is marginally low.
06/28/18	COC Flash Point has come up since previous sample. Pentane Insolubles have dropped significantly from previous sample. Purge more oil out of sample port before taking next sample. COC Flash Point is marginally low.
08/15/17	Sample appears to contain water. COC flash point is slightly low. Make sure quality sample was taken properly. Allow oil to flow freely for short time before capturing in container. Take another sample to confirm results. Pentane Insolubles levels are abnormally high. COC Flash Point is severely low.
05/31/16	Overall, the sample appears to be in good condition. The flash point is slightly low which indicates that the product has some minor thermal degradation occurring. We will monitor this further on the next sample. There is also an elevated level of Silicon which can indicate contamination in your system, or possibly this was picked up during the sampling process. We will monitor this in future samples as well. Please re-sample in 6 months time. Silicon ppm levels are abnormally high. COC Flash Point is marginally low.
06/30/14	The solids have risen but the other oil properties tested appear to be acceptable even after 8 years. If the solids are creating production issues we suggest to perhaps find a way to filter them or consider an oil replacement. Pentane Insolubles levels are severely high.

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